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Research News

August, 1977
Volume X, No. 2

Office of Research Services
Wright State University Dayton, Ohio 45431

CONTRACTS, GRANTS AND AWARDS

A continuation grant in the amount of \$80,654 for Services for Physically Disabled Students has been received from the Office of Education of DHEW. Stephen Simon and Patricia Marx prepared the application. WSU Account No. 4008F2.

The Ohio Historic Preservation Office of the Ohio Historical Society in Columbus awarded \$20,250 to WSU for continuation of the West Central Ohio Regional Archaeological Preservation Office at WSU and the establishment of an office at the Dayton Museum of Natural History. This program is under the direction of Dr. Robert Riordan. WSU Account No. 3971R0.

The Office of Education of DHEW also awarded WSU \$120,000 for "Special Services for Physically Disabled and Underprepared Students." These services are under the direction of Patricia Marx and Dr. Anne Shearer. WSU Account No. 4033F2.

Dr. T. O. Tiernan was awarded a renewal contract in the amount of \$104,176 by the Environmental Protection Agency to continue his "Analyses of Environmental Samples for 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin (TCDD) at the part trillion level." WSU Account No. 3632R2.

The National Heart, Lung, and Blood Institute of DHEW-PHS awarded a \$33,405 grant to Dr. Robert W. Gotshall for his research on the "Effect of Pressure on Renal Blood Flow and Function. This is a Young Investigator Research Award. WSU Account No. 3698H2.

The Office of Veterans Affairs has received a renewal award of \$27,844 to continue their "Cost-of-Instruction Program for the Academic Year 1977-78." This will be under the direction of the coordinator, Darrell Carter. WSU Account No. 4035F2.

The Ohio Board of Regents has announced funding of the Title VI-A Instructional Equipment Applications. WSU received two:

\$10,797 for the Western Ohio Branch Campus under the direction of James Uphoff. WSU Account No. 3843FO.

\$12,500 for the Dayton Main Campus under the direction of Howard E. Bales, WSU Account No. 3844FO.

Distribution of the \$12,500 will be to the following departments: \$4,375 to Physics; \$4,045 to Art (Photography); and \$4,080 to Psychology.

AWARDS (continued)

The Aero Propulsion Laboratory of Wright-Patterson Air Force Base awarded a contract in the amount of \$44,644 to E. Grant Jones and Gary Sides for their research entitled, "Light Emission Produced in Ion-Atom and Ion-Molecule Charge Transfer Reactions," to be conducted from July, 1977 through September, 1978. WSU Account No. 3699L2.

A renewal grant in the amount of \$240,000 has been received by the School of Medicine from the Bureau of Health Manpower of DHEW under the Health Professional Start-Up Assistance Grant Program, directed by Dr. John Beljan. WSU Account No. 4411HO.

Services of Dr. Philip Malone have been requested for another year by the Waterways Experiment Station of the U. S. Army Corps of Engineers. His assignment at Vicksburg, Mississippi, as a research geochemist will continue through August, 1978. His work will include analysis, interpretation, and correlation of chemical and geotechnical data to be developed from site surveys associated with programs being conducted for EPA. The assignment agreement is for \$27,612. WSU Account No. 3664M2.

The School of Medicine also has been awarded a continuation grant in the amount of \$3,290,636 from the Veterans Administration for their "Assistance in the Establishment of a New State Medical School." This program is under the direction of Dr. Edward J. Spanier. WSU Account No. 46XX PO.

An additional amount of \$150 will be added to Dr. Harold Silverman's instructional grant from the Ohio Department of Education to conduct "A Basic Vocational Guidance Seminar" for this summer. A total of 24 students will participate. WSU Account No. 4026C2.

The Dayton Area Heart Association contributed a grant in the amount of \$1,100 to R. Karl Kordenat, staff investigator at Cox Heart Institute, in support of college student employment for this summer. WSU Account No. 4385YO.

The Brehm Laboratory received \$1,060 from the Northrop Corporation and \$200 from the Systems Research Laboratory for analytic services performed for them. WSU Account No. 3633X2.

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Watch for official Memorandum for the
announcements regarding the Office of
Research Services and Administrative
organization.

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There were fifteen formal proposals submitted through the Office of Research Services during the month of June, 1977.

- 77-183 Dr. George Peterson - Pharmacology and Biological
Chemistry - 6/23/77
DHEW-PHS-National Institutes of Health
3 years - \$108,788

"Narcotics, Naltrexone and Microsomal Enzymes"
- 77-184 Dr. Robert Riordan - Anthropology - 6/7/77
Barrett-Cargo-Withers and Associates, Ltd. \$3,533

"An Archaeological Reconnaissance of Interchange
Construction and Widening of Route 35, West of
Xenia, Ohio"
- 77-185 Dr. Thomas Sernka - Physiology - 6/13/77
DHEW-NIH-NIAAA \$16,530

"Hyperosmotic and Ethanol Actions on Gastric Mucosa"
- 77-186 Elenore Koch - Education - Assoc. Provost for Academic
Services - 6/7/77
City of Dayton - CETA, Title VI \$79,977

"Task Force for Unemployed Women in Dayton"
- 77-187 Dr. Ronald Schmidt - Geology - 6/3/77
Southwestern Portland Cement Company \$4,110

"Geologic Reconnaissance - Silica Soils"
- 77-188 Dr. Peter Calcott - Biological Sciences - 6/13/77
U. S. Energy, Research and Development Administration
3 years \$160,562

"The Effect of a Variety of Stress on the Survival,
Detection, and Enumeration of Bacteria of Public
Health Significance"
- 77-189 Dr. Richard C. Juberg - Pediatrics Department - 6/9/77
Ohio Department of Health \$12,500

"Genetic Services at Children's Medical Center of
Dayton"
- 77-190 Dr. Rubin Battino - Chemistry - 6/20/77
Binational Science Foundation - U.S./Israel
3 years \$133,550

"Experimental and Theoretical Studies on Gas Solu-
bilities and Hydrophobic Interactions"

June Proposals (Continued)

- 77-192 Dr. Rubin Battino - Chemistry - 6/23/77
DHEW-PHS-NIGMS \$26,849
"Solubility of Gases in Water and Cyclic Solvents"
- 77-193 Dr. James Dillehay - College of Education - 6/17/77
WSU - League of IGE Schools \$11,712
- 77-195 Dr. Robert Weisman - Biological Chemistry - 6/24/77
DHEW-NIH 3 years - \$233,208
"Cyclic Nucleotides in Pathogenic Acanthamoeba"
- 77-196 Ritchie Thomas - University Library - 6/22/77
National Endowment for the Arts \$23,701
"Preserving the Image: A Conservation Project for the Jane Reece Photographic Collection"
- 77-197 Dr. Edward Levine - Art Department - 6/22/77
National Endowment for the Arts \$1,500
"Photographer-in-Residence"
- 77-198 Dr. Majorie Stanton - Nursing - 6/24/77
DHEW-PHS \$211,748 - 3 years
"Master of Science Degree Program for Nursing"
- 77-199 Dr. Jane Scott - Anatomy - 6/24/77
American Cancer Society, Ohio Division \$6,000
"Effect of DES on the Reproductive Organs of Aged Males"

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HUMAN SUBJECTS
IN RESEARCH

A new edition of "Policies and Procedures Guidelines on Use of Human Subjects in Research, Development, and Related Activities" will be distributed on or about September 1, 1977. If you do not receive a copy before the beginning of the Fall Term, call this office, Ext. 2425/2426.

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MARSHALL
FELLOWSHIPS

November 30, 1977 has been established as the deadline for receipt of applications for fellowships from the German Marshall Fund of the United States. Support is provided to Scholars and Professionals to conduct research that holds promise of contributing to industrial societies. Recipients are expected to devote full time to the project which may be in any recognized academic area. Most awards will go to established scholars with advanced degrees.

Projects may focus on domestic or international problems, but must have U. S. and European (Eastern and/or Western) components. Priority programs include international urban affairs, employment and conditions of work, women's employment, land use, communications and media, administration of criminal justice/crime prevention, comparative social policies, and issues of interdependence.

Appointments will become effective after March, 1978, and are for an academic term to a year or longer. Applicant's present income will be net plus limited travel and other expenses directly related to the project.

UNDERGRADUATE
RESEARCH
PARTICIPATION

The National Science Foundation supports the participation of undergraduates through this program, commonly referred to as U R P. This program is designed to provide experiences to undergraduates through active participation. The priority area for research is "Energy Related General Research," but any disciplinary area which can show relevance to a particular national need may be justified.

Deadline for proposals is August 19, 1977.

SOCIAL
SCIENCES

The Division of Social Sciences of the National Science Foundation has established August 31 as the deadline for receipt of proposals. Included under the Social Sciences Research are categories involving: Economics, Human Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators and Sociology.

E V I S T

The National Science Foundation program Ethics and Values in Science and Technology requires preliminary proposals by September 1, 1977, for projects which have starting dates of June 1, 1978. This program was previously noted in the June RESEARCH NEWS. Formal proposals, if requested, have a December 1, 1977, deadline date.

FACULTY DEVELOPMENT
PROJECTS IN ENERGY

The Energy Research and Development Administration supports projects aimed at the development of high school and college faculty understanding of important subject matter relating to the development and utilization of U. S. energy resources. Faculty Development Projects should involve fields and subject areas of interest and concern to E R D A. Programs are specifically solicited bearing on (1) General Energy Education and (2) Energy Conservation. These are limiting, but a good project in relevant areas may be considered. Projects may utilize workshops or alternative mechanisms whereby they expect to achieve the goals established.

Deadline for proposals is October 14, 1977.

SUMMER STIPENDS

The National Endowment for the Humanities is inviting applications for Summer Stipends for the Summer of 1978. Applicants must be nominated by the president, dean or other designated officer of the institution. Each stipend provides \$2,500 for consecutive months of full-time study or research in the humanities. Only applicants who have or will have completed their professional training by October 17, 1977 are eligible.

MENTAL HEALTH
SMALL GRANTS

The Small Grant Program of the National Institute of Mental Health provides financial support in a relatively rapid and flexible manner for studies in behavioral, biological, and medical sciences relevant to mental health. These grants are principally intended for the younger, less experienced investigator, investigators in small colleges, and others who do not have regular research grant support or resources available from their institutions for the support of preliminary research explorations.

Small grants may be used to develop and test a new technique or method; to exploit an unexpected research opportunity; to analyze data previously collected; or to carry out exploratory or pilot studies. Small grants are usually limited to one year and a maximum of \$5,000 for direct costs.

Deadline for submission of proposals is September 1, 1977.

CALENDAR OF DEADLINES

AUGUST

	Agency or Code	Date
Research - Bureau of Mines	L-15	15
Geological Research	L-16	15
Cooperative Extension Service (State)	K-31	15
Undergraduate Research Participation	N-33	19
Public Programs (NEH)	M-65	26
Scientific Research Support (Social Sciences)	N-73	31

SEPTEMBER

Preparation of Professional Personnel to Educate Handicapped Children	D- 1	Probably
Special Education Programs in University-Affiliated Facilities	D- 5	Probably
Special Projects to Prepare Personnel to Work with Handicapped Children	D- 7	Probably
Health Professions Capitation Grants	F-21	Probably
Arctic Research Programs	N-98	1
Utilization and Development Training Projects in Mental Health	G-39	1
Experimental Mental Health Training Projects	G-38	1
Manpower-Related Doctoral Dissertation Grants	K-60	1
Research Centers (NEH) Humanities	M-66	1
International Cooperative Scientific Activities U. S./Australia (long-term)	N-61	1
Postdoctoral Research Associateships		
National Research Council (NASA)	M-69	15
State Agriculture Experiment Stations - Research Programs	K-20	15
Humanities Education Program (Consultants) NEH	M-64	15
Corporation for Public Broadcasting - Women's Training	M-29	Sept.
Education of Migrant Children	C-61	30

OCTOBER

Research Career Development	F-97	1
Minority Access to Research Careers (Faculty Fellowships)	G-13	1
(Visiting Scientists)	G-14	1
General Clinical Research Centers (NIH)	G-18	1
Woodrow Wilson International Center for Scholars	O-35	1
Model Projects on Aging	H -3	1
Graduate Fellowships in Law Enforcement	L-46	1
National Research Service Awards - Institutional Grants - Nursing, Alcohol, Drug, Mental	G -7	1

Calendar of Deadlines - October (cont.)

	Agency or Code	Date
National Research Service Awards - Individual Fellows	G- 8	1
Programs of University Research in Transportation	L-90	(1976) 1
Secondary School Student Science Training	N-31	(1976) 1
Equipment and Materials to Improve Undergraduate Instruction	E- 1	15

NOVEMBER

Occupational Safety and Health Research and Demonstrations	F- 1	1
Occupational Safety and Health Training	F- 2	1
Research Support - Food and Drug Administration	F- 3	1
Nurse Practitioner Training	F- 7	1
Special Projects to Improve Nurse Training	F-11	1
Nursing Research Projects	F-14	1
Exploratory Research Grants	F-38	1
Research Projects Grants	F-39	1
Developmental and Demonstration Projects Grants	F-40	1
Clinical Cancer Education Grants	F-99	1
Construction of Cancer Research Facilities	F100	1
Cancer Centers	F101	1
Research Project Grants, NIH	G- 1	1
Minority School Biomedical Support Program	G-12	1
Biotechnology Resources	G-17	1
Projects to Support Animal Resources	G-19	1
Medical Library Science Research Projects	G-23	1
Biomedical Publication Grants	G-24	1
Medical Library Resources	G-25	1
Training in Health Sciences and Computer Technology	G-27	1
Mental Health Research Grants	G-31	1
Mental Health Program, Project Grants	G-33	1
Special Training Projects in Mental Health	G-40	1
Metropolitan Mental Health Program	G-43	1
Minority Group Mental Health Program	G-44	1
Mental Health Epidemiology	G-45	1
Academic Career-Teacher Awards (Medical) in Narcotic Addiction and Drug, and Alcohol Abuse	G-46	1
Career-Teacher Training Centers	G-47	1
Training for Health and Health-Related Professionals in Narcotic Addiction and Drug Abuse	G-48	1
Clinical Investigator Awards in Narcotic Addiction and Drug Abuse	G-49	1
Academic Career-Teacher Awards (Non-Medical) in Narcotic Addiction and Drug Abuse	G-50	1

Calendar of Deadlines - October (cont.)

	Agency or Code	Date
Research on Narcotic Addiction and Drug Abuse	G-51	1
Drug Abuse Education Projects	G-53	1
Alcohol Abuse and Alcoholism	G-55	1
Mental Health of Children and Families	G-57	1
Mental Health of Aging	G-58	1
Studies of Crime and Delinquency	G-59	1
Graduate Traineeships in Energy	M-12	1
Research Initiation and Support	N-25	(1976) 1
International Cooperative, Scientific Activities - Israel - Bermann Grants	N-61	1
Scientific Research Support - Earth Science and Mathematics	N-73	1
Student Originated Studies	N-35	Early
Faculty Research Abroad	E-39	Probably 1
Group Projects Abroad	E-37	Probably 1
Doctoral Dissertation Research	E-41	Probably 1
Foreign Curriculum Consultants	E-35	1
Undergraduate Program in International Studies	E-44	Early Nov.
Graduate Programs in International Studies	E-51	Early Nov.
Smithsonian Institution Foreign Currency Program	O-31	1
White House Fellows	O-17	Probably 1
Women in Science	N-37	(1976) 1
Teacher Exchange Program	E-53	1
Internship in Criminal Justice	L-44	Probably 1
Educational Program Restructuring	N-19	(1976) 5
Visiting Fellowships - National Institute of Law Enforcement	L-47	15
Education of Neglected and Delinquent Children State Evaluation to USOE	C-65	15
Research Initiation for Minority Institution Improvement	N-16	(1976) 15
Solar Heating and Demonstration Program	M- 3	(1976) 19
NATO Postdoctoral Fellowships	N-48	23

DECEMBER

NOTE: Some of these programs have not had deadlines established for 1977. They are included for informational purposes, assuming the deadlines will be about the same this year.

Ethnic Heritage Studies	E-33	Probably
Corporation for Public Broadcasting (Minorities)	M-29	December
Assistance to Health Professions Schools in Financial Distress	F-23	(1976) 1
Special Project Grants for Preceptorship Training	F-27	(1976) 1
Research in Maternal and Child Health and Crippled Children's Services	F-55	1
General Purpose Public Health Traineeships	F-81	(1976) 1

Calendar of Deadlines - December (cont.)	Agency or Code	Date
Senior International Fellowships	F-98	1
Manpower-Related Doctoral Dissertation Grants	K-60	1
Program of University Research in Transportation	L-90	(1976) 1
Student Originated Studies	N-35	(1976) 1
Graduate Fellowships in the Sciences	N-43	1
International Cooperative Scientific Activities		
U. S./Latin America Cooperative Research	N-61	1
Engineering Research Initiation Grants	N-72	(1976) 1
Scientific Research Support (Physiology, Cellular and Molecular Biology)	N-73	1
National Needs Postdoctoral Fellowships	N-45	(1976) 3
Comprehensive Assistance to Undergraduate Science Education (CAUSE)	N-33	(1976) 3
Truman Scholarships	O-18	8
Research Initiation and Support (RIAS)	N-25	(1976) 10
Training in Family Medicine	F-28	(1976) 10
Teacher Corps (new)	D-67	(1976) 15
Health Professions Special Projects Grants	F-25	(1976) 15
Uniformed Services University of the Health Sciences School of Medicine	J- 5	(1976) 15
East-West Center	L-65	15
Minority Institutions Graduate Traineeships	N-39	(1976) 15
National Direct Student Loans (Regional)	D109	(1976) 23
Supplemental Educational Opportunity Grants (Regional)	D123	(1976) 23
College Work-Study Programs (Regional)	D125	(1976) 23
Fellowships and Scholarships in Highway Safety and Technology	L-78	(1976) 31
Fellowships in Highway Transportation Research in Education	L-81	(1976) 31

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An-ode

Dr. Robert T. Conley is travelling East.
At Seton Hall he'll have his feast.

He came this way, and now departs.
Perhaps he leaves some broken hearts.

One can really say of him:
He tackled things with lots of vim.

An impression he made while he was here.
Seton Hall noted, it would appear.

Good Luck, Bob, as President.
The branch grows as the bough was bent.

Drawoh Selab

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